

ABSTRACT

A curtain coating device for the coating of a moving substrate, comprising a nozzle device, for the generation of a curtain dropping onto the substrate, made up of at least one coating fluid and a curtain guide structure with a guide surface, which laterally guides the curtain, whereby the guide surface is convex to the curtain along a width exceeding the depth of the curtain when measured transversely. Additionally, a curtain coating method, whereby a curtain made up of at least one coating fluid is deposited on a moving substrate in free fall and guided on both sides by means of a convex guide surface transverse to the curtain.